

# Package: ehastyle (via r-universe)

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**Type** Package

**Title** Default styles for EcoHealth Alliance Reports

**Version** 0.1.1

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**Description** Contains R Markdown templates and ggplot2 themes suitable for EHA work

**License** MIT

**LazyData** TRUE

**Imports** knitr, rmarkdown, officer, magrittr, linl, ggplot2, xaringan, xaringanthemmer, bslib, officedown, dplyr, git2r, glue, flexdashboard, rlang, purrr

**RoxygenNote** 7.2.1

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**Depends** R (>= 2.10)

**Repository** <https://ecohealthalliance.r-universe.dev>

**RemoteUrl** <https://github.com/ecohealthalliance/ehastyle>

**RemoteRef** HEAD

**RemoteSha** 520a51c8625dd51ef72beed93e65f84f175f1a02

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check_templates	<i>Check that all templates build properly</i>
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## Description

Opens markdown templates as rmd files and/or renders them into their appropriate format.

## Usage

```
check_templates(
  style = c("classic", "avenir", "predict"),
  format = c("pptx", "xar", "flex"),
  aspect = c("4x3", "16x9"),
  check_all = FALSE,
  render = TRUE,
  outdir = "./",
  recursive = TRUE
)
```

## Arguments

style	String. One of "classic", "avenir", or "predict"
format	String. One of "pptx", "xar", or "flex"
aspect	String. One of "4x3" or "16x9"
check_all	Logical. Should we open all the templates as RMDs?
render	Logical. Should we render the templates we open?
outdir	String. Where should files be stored
recursive	Logical. Should subfolders of outdir be created

---

eha\_avenir\_pptx      *Avenir EHA powerpoint template*

---

## Description

Styles for eha markdown ppt. Used with a template to create presentations that dynamically update with your data.

## Usage

```
eha_avenir_pptx(
  aspect = "16x9",
  master = "EcoHealth Alliance",
  toc = FALSE,
  toc_depth = 2,
  fig_width = 9.4,
  fig_height = 4.24,
  fig_caption = TRUE,
  df_print = "default",
  keep_md = FALSE,
  smart = TRUE,
  md_extensions = NULL,
  slide_level = NULL,
  pandoc_args = NULL
)
```

## Arguments

aspect	String. Aspect ratio for power point slides. Either "16x9" or "4x3". Default is "16x9"
master	String. Name of slide master for template ppt. Use <a href="#">ppt_layout</a> to see name of master and layouts.
toc	Logical. Should the slides have a table of contents? Default is FALSE
toc_depth	Numeric. How many levels should the table of contents have. Default is 2.
fig_width	Numeric. Width of figures. Default is 9.4
fig_height	Numeric. Height of figures. Default is 4.24
fig_caption	Logical. Should figures have captions? Default is TRUE
df_print	String. Print data frames? Default is "default"
keep_md	Logical. Should markdown document be kept? Default is FALSE
smart	Logical. Produce typographically correct outs. Default is TRUE
md_extensions	String. Additional <b>markdown extensions</b> . Default is NULL
slide_level	Numeric. Defines the heading level that defines individual slides. Default is NULL
pandoc_args	Arguments to pass to pandoc

**See Also**

[powerpoint\\_presentation](#), [rpptx\\_document](#)

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eha_avenir_xar	<i>EHA Xaringan Theme</i>
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**Description**

A function to produce an EHA Xaringan theme with the avenir font. This function leans on [style\\_mono\\_light](#) for many of the theme arguments. It uses [moon\\_reader](#) to create the mark-down renderable object. Unlike [eha\\_classic\\_pptx](#), you cannot create editable plots with [dml](#). However, you can include interactive html widgets.

**Usage**

```
eha_avenir_xar(aspect = "16x9", self_contained = TRUE, ...)
```

**Arguments**

aspect	String. Aspect ratio for slides. Either "16x9" or "4x3". Default is "16x9"
self_contained	Whether to produce a self-contained HTML file by embedding all external resources into the HTML file.
...	other arguments passed to <a href="#">moon_reader</a> or <a href="#">html_document</a>

**Value**

xaringan theme

---

eha_classic_pptx	<i>Classic EHA powerpoint template</i>
------------------	--

---

**Description**

Styles for eha rmarkdown ppt. Used with a template to create presentations that dynamically update with your data.

**Usage**

```
eha_classic_pptx(
  aspect = "16x9",
  master = "EcoHealth Alliance",
  toc = FALSE,
  toc_depth = 2,
  fig_width = 9.4,
  fig_height = 4.24,
  fig_caption = TRUE,
  df_print = "default",
  keep_md = FALSE,
  smart = TRUE,
  md_extensions = NULL,
  slide_level = NULL,
  pandoc_args = NULL
)
```

**Arguments**

aspect	String. Aspect ratio for power point slides. Either "16x9" or "4x3". Default is "16x9"
master	String. Name of slide master for template ppt Use <a href="#">ppt_layout</a> to see name of master and layouts.
toc	Logical. Should the slides have a table of contents? Default is FALSE
toc_depth	Numeric. How many levels should the table of contents have. Default is 2.
fig_width	Numeric. Width of figures. Default is 9.4
fig_height	Numeric. Height of figures. Default is 4.24
fig_caption	Logical. Should figures have captions? Default is TRUE
df_print	String. Print data frames? Default is "default"
keep_md	Logical. Should markdown document be kept? Default is FALSE
smart	Logical. Produce typographically correct outs. Default is TRUE
md_extensions	String. Additional <a href="#">markdown extensions</a> . Default is NULL
slide_level	Numeric. Defines the heading level that defines individual slides. Default is NULL
pandoc_args	Arguments to pass to pandoc

**See Also**

[powerpoint\\_presentation](#), [rpptx\\_document](#)

---

eha\_classic\_xar      *EHA Xaringan Theme*

---

### Description

A function to produce an EHA Xaringan theme with the classic font. This function leans on [style\\_mono\\_light](#) for many of the theme arguments. It uses [moon\\_reader](#) to create the mark-down renderable object. Unlike [eha\\_classic\\_pptx](#), you cannot create editable plots with [dml](#). However, you can include interactive html widgets.

### Usage

```
eha_classic_xar(aspect = "16x9", self_contained = TRUE, ...)
```

### Arguments

aspect	String. Aspect ratio for slides. Either "16x9" or "4x3". Default is "16x9"
self_contained	Whether to produce a self-contained HTML file by embedding all external resources into the HTML file.
...	other arguments passed to <a href="#">moon_reader</a> or <a href="#">html_document</a>

### Value

xaringan theme

### Note

There is an issue using [sysfonts](#) with M1 mac machines therefore [theme\\_xaringan](#) is not able to use [google\\_font](#) when creating ggplot themes.

---

eha\_flex\_dashboard      *EcoHealth Alliance Flex Dashboard Theme*

---

### Description

Function to create a custom flexdashboard theme for EHA.

### Usage

```
eha_flex_dashboard(
  orientation = "rows",
  bg = "#224A55",
  fg = "#5EB9D6",
  primary = "#97C83E",
  secondary = "#B0A28A",
```

```

    version = 4,
    fontUrl = "https://font-avenir.s3.us-east-2.amazonaws.com/AvenirLTW04-85Heavy.woff2",
    family = "Avenir",
    style = "normal",
    weight = "500",
    ...
)

```

### Arguments

orientation	Determines whether level 2 headings are treated as dashboard rows or dashboard columns.
bg	Background color for bs_theme
fg	Foreground color for bs_theme
primary	Primary color for bs_theme
secondary	Secondary color for code bs_theme
version	Bootstrap version to use with bs_theme
fontUrl	URL where font is hosted
family	String. Name of font family when using fontURL
style	String. Name of font style. Choose from normal, italic, oblique, initial, or inherit
weight	String. Defines from thin to thick characters. 400 is the same as normal, and 700 is the same as bold. Can also use normal, bold, bolder, or lighter
...	Additional arguments to be passed to flex_dashboard

### Value

function

### CSS Font Properties

See W3 description of [font property](#) for additional details about customizing fonts.

### See Also

[flexdashboard::flex\\_dashboard\(\)](#) [bslib::bs\\_theme\(\)](#)

---

eha\_flex\_dashboard\_light

*EcoHealth Alliance Flex Dashboard Theme - Light*

---

### Description

Function to create a custom flexdashboard theme for EHA.

**Usage**

```
eha_flex_dashboard_light(
  orientation = "rows",
  bg = "#f7fdff",
  fg = "#5EB9D6",
  primary = "#97C83E",
  secondary = "#B0A28A",
  version = 4,
  fontUrl = "https://font-avenir.s3.us-east-2.amazonaws.com/AvenirLTW04-85Heavy.woff2",
  family = "Avenir",
  style = "normal",
  weight = "500",
  ...
)
```

**Arguments**

orientation	Determines whether level 2 headings are treated as dashboard rows or dashboard columns.
bg	Background color for bs_theme
fg	Foreground color for bs_theme
primary	Primary color for bs_theme
secondary	Secondary color for code bs_theme
version	Bootstrap version to use with bs_theme
fontUrl	URL where font is hosted
family	String. Name of font family when using fontURL
style	String. Name of font style. Choose from normal, italic, oblique, initial, or inherit
weight	String. Defines from thin to thick characters. 400 is the same as normal, and 700 is the same as bold. Can also use normal, bold, bolder, or lighter
...	Additional arguments to be passed to flex_dashboard

**Value**

function

**CSS Font Properties**

See W3 description of [font property](#) for additional details about customizing fonts.

**See Also**

[flexdashboard::flex\\_dashboard\(\)](#) [bslib::bs\\_theme\(\)](#)



---

eha_letter	<i>Create a letter on EHA letterhead</i>
------------	--

---

**Description**

This is a thin wrapper around the `linl::linl()` function which prints letters, automatically using the EHA letterhead. See that function's options for further

**Usage**

```
eha_letter(...)
```

**Arguments**

... Additional parameters to pass to `linl`

---

eha_pptx_template	<i>Open EHA Powerpoint templt</i>
-------------------	-----------------------------------

---

**Description**

Open avenir, classic, and predict powerpoint templates. Providing no arguments will open all six templates. Providing either an aspect or a template will return all the corresponding templates. For example, if classic is provided to template, then classic 16x9 and classic 4x3 will be opened.

**Usage**

```
eha_pptx_template(
  template = c("classic", "avenir", "predict"),
  aspect = c("16x9", "4x3"),
  outdir = "./",
  recursive = TRUE
)
```

**Arguments**

template	String. Either classic or avenir. Defines the template to be use.
aspect	String. Either 16x9 or 4x3. Defines the aspect ratio of the slides
outdir	String. Where should files be copied to before opening?
recursive	Logical. Should elements of the path other than the last be created? If true, like the Unix command <code>mkdir -p</code> . See <code>dir.create</code>

**Value**

pptx

**Examples**

```
#open all the templates
## Not run: eha_pptx_template()
```

---

 outbreak

*R Markdown format for EHA Outbreak Scenarios Reports*


---

**Description**

R Markdown format for EHA Outbreak Scenarios Reports

**Usage**

```
outbreak(
  self_contained = TRUE,
  lib_dir = NULL,
  keep_md = FALSE,
  cache_prefix = "cache/",
  ...
)
```

**Arguments**

<code>self_contained</code>	Include all dependencies
<code>lib_dir</code>	Local directory to copy assets
<code>keep_md</code>	Keep knitr-generated markdown
<code>cache_prefix</code>	String. Prefix for cache
<code>...</code>	Additional function arguments to pass to the base R Markdown HTML output formatter
<code>theme</code>	Bootstrap theme
<code>mathjax</code>	Include mathjax, "local" or "default"
<code>pandoc_args</code>	Other arguments to pass to pandoc

---

outbreak\_word      *Create output for Word document*

---

### Description

Create output for Word document

### Usage

```
outbreak_word(
  cache_prefix = "cache/",
  keep_md = FALSE,
  proposal = FALSE,
  usaid = FALSE,
  usaid_panel = 1,
  ...
)
```

### Arguments

cache_prefix	String. Prefix for cache
keep_md	Logical. Keep the markdown file generated by knitting. Note that if this is TRUE then clean_supporting will always be FALSE.
proposal	Logical. Should the proposal format be used.
usaid	Logical. Should the USAID format be used
usaid_panel	Numeric. Which USAID sidebar image should be used (1,2, or 4)?
...	Additional arguments to pass to <a href="#">word_document</a>

### See Also

[knitr\\_options](#), [output\\_format](#), [word\\_document](#)

---

ph\_duplicate\_check      *Check PPT template for duplicates*

---

### Description

Checks for duplicate PH elements that would break rendering.

### Usage

```
ph_duplicate_check(ppt_template, print = FALSE)
```

**Arguments**

ppt\_template    String. Path to ppt template  
print            Logical. Should the dataframe be printed?

**Value**

dataframe

**See Also**

[read\\_pptx](#), [layout\\_properties](#)

---

pkg\_resource            *Get package resources*

---

**Description**

This function allows you to easily source package resources like images or style sheets. The function will return a file path to a resource stored in your package.

**Usage**

```
pkg_resource(...)
```

**Arguments**

...            arguments to pass to [system.file](#)

**Value**

string

**Examples**

```
logoEHA <- pkg_resource("eha_icon_logo.png")  
print(logoEHA)
```

---

ppt\_check                      *Check Powerpoint*

---

### Description

Checks for duplicate ph elements using [ph\\_duplicate\\_check](#) and matching master arguments using [ppt\\_layout](#).

### Usage

```
ppt_check(ppt_template, master, print = FALSE)
```

### Arguments

ppt_template	String. Path to ppt template
master	String. Name of master slide template
print	Logical. Should items be printed

### Value

message

---

ppt\_layout                      *Print Powerpoint Layout*

---

### Description

Convenience wrapper for [layout\\_summary](#) used to debug issues with powerpoint templates. Returns a list with first element containing the master names and the second element containing layout and master names for a given ppt.

### Usage

```
ppt_layout(ppt_template, print = FALSE)
```

### Arguments

ppt_template	String. Path to ppt file
print	Logical. Should layout be printed

### Value

data.frame

---

speakerLocations      *Synthetic speaker locations for airtables example.*

---

**Description**

Dataset containing speaker locations and labels.

**Usage**

speakerLocations

**Format**

A data frame with 8 rows and 6 variables:

**affiliation** institution associated with speaker

**cities** location of institution

**lat** latitude of institution

**lng** longitude of institution

**totalTalks** number of talks from that institution

**label** summary of institution statistics ...

**Source**

airtable app id appwIxzmQx5njRtQ as of 24 June 2021

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